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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicant: Steven A. Sunshine et al.  
Title: ALIGNED PARTICLE BASED SENSOR ELEMENTS  
Application No.: 09/600,346  
Filing Date: November 9, 2000  
Examiner: Hoang, Tu Ba  
Art Unit: 3742

DMK  
3/24/06

**AMENDMENT AND REPLY UNDER 37 C.F.R. 1.116**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Final Office Action dated December 12, 2005, concerning the above-referenced patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this document.

Remarks/Arguments begin on page 9 of this document.

Please amend the application as follows: